

AGS/RHIC SHUTDOWN SCHEDULE

R. Zaharatos – Jan. 6, 2003

RESULTS – THURSDAY, JAN. 8, 2003, 1700HRS

SHUTDOWN REQUEST PRIMARILY FOR ACCESS TO IR'S BY EXPERIMENTORS

SHUTDOWN PERIOD: WEDS., JAN 8, 2003, 0800 TO 1700HRS(READY FOR
BEAM BY 1700)

HEBT 3 RESTRICTED ACCESS – 0900-TO?? AS MUCH TIME AS CAN BE
ALLOWED UP TO BEAM TURN-ON

“U” UP/DWN RESTRICTED ACCESS – 0930-1200(HP Survey 0930)

AGS RING CONTROLLED ACCESS ENTRIES PERIOD – 1000-1200

RHIC IR's – Restricted Access – 0800 to ?? most sweeps completed by 1630

RHIC TUNNEL REMOTE CONTROLLED ACCESS PERIOD - 0800 to 1430
– HP surveys required for beam dump and injection line

BOOSTER CONTROLLED ACCESS – 0930-1230

BAF STUB TUNNEL ??

PRIMAY JOBS:

JOBS STATUS CODE: C complete IP in-process RS reschedule CAN
cancelled

* additions

COMPUTERS/CONTROLS(Katz)

One hour of maintenance needed to reboot the two operations file servers, cfsb and cfsf, and the remote user server machines (acnsun65, acnsun64, acnsun78). Probable time period including recovery – 0930-1200hrs. Any problems with this notify R. Katz.

AGS RING ACCESS JOBS

- RS** 1. Investigate chamber gnd. problems at A4, A8, A14, B4, C14, J14, and L18(Bm. Comp.)
- C** 2. Inspect C20 Polarimeter(Mahler)
- RS** 3. Main Magnet serial number inventory(M. Hemmer)
- C** 4. investigate RF Stat. K intermittent tripping(redressed resistor connection to prevent arcing).
- C** 5. Investigate UD1-2 water interlock(replaced water mat)
- C** 6. Investigate noise on K3 PUE(CAS)
- C** 7. Replace PA tube in RF Station IJ

AGS EXTERNAL

- RS** 1. D Fan Hse. – replace both smoke detectors in air duct. (1 failed, 1 on-line)
- C** 2. D Fan Hse. – replace steam valve(valve ok, increased air press.)(PE)
- RS** 3. D Fan Hse. – relamp
- C** 4. Siemens – motor brush inspection/replacement/cleaning(3hrs)
- C** 5. Siemens – disconnect shaft encoder(30mins)
- C** 6. Siemens – laser inspection(30mins)
- C** 7. RF UPS1 maintenance. To external by-pass(0830-1630) – Bldg. 929
- C** 8. IPPS trouble shooting(Vacu)

AGS RING POWERED TESTING

- C** 1. Siemens load temperature tests.(1330 to ??)

BOOSTER RING ACCESS JOBS

- C** 1. Check ring grounds (Beam Comp.)
- RS** 2. Replace emergency light batteries at plug door
- C** 3. Check QV-7 water flow interlock problem.(flow intlk. Poor connection)MS/Main Ring PS)
- C** 4. Connect of C4 Magnet for protons(Danowski)
- C** 5. Install SNS test PMT – F5(Bm. Comp.)

BOOSTER EXTERNAL

BAF STUB TUNNEL

- C** 1. Install Fast Valve sensor connector(Vacu/Acc. Ctrls.)

BAF EXTERNAL

- C 1. Complete the BAF fast valve/PLC wiring in Bldg. 957
- C 2. Work with Acc. Ctrls. Grp. to adjust open/close indicator on d/s security valve

ATR ACCESS JOBS

- RS 1. U-line – relocate water flow interlock switches external to tunnel(FES)
- IP/RS 2. Drain G-2 magnets – 6hrs(MS)

LINAC/HEBT ACCESS JOBS

- RS 1. Vacuum – complete remote control wiring downstream of new gate for Pol. Protons diagnostics line.
- C 2. Access Controls recertification of Linac

LINAC EXTERNAL

- C 1. Change out all water system bag filters for cavities(MS)

RHIC ACCESS JOBS

- C 1. P.S.'s – repairs to ?? – See P.S. List.
- IP/RS 2. Stochastic Cooling(sect. 2) – commissioning(Gassner)
- IP/RS 3. 1008 – install contactors and switches (FES – Pearson)
- C 4. Sector 12 – hodoscope set-up(Curcio). Includes survey(Karl)
- C 5. Cryo – Sector 6(near 6Q6), work on the snake/spin flow controllers
- C 6. Cryo – Sector 7(near 7Q6), work on the snake/spin flow controllers
- C 7. Cryo – Sector 4/5, install thermal switches
- C 8. Investigate failed smoke detector in sect. 12(problem not found, all smokes still off-line)
- IP/RS 9. Inspect entire tunnel for condition of ice balls and reinsulate those return lines that are close to box(Bruno) – 7.5 sectors complete
- C 10. Cryo thermostats and lead heater(Feng):
 - C Sect. 1 – replace 3 lead heater thermostats
 - C Sect. 4 – replace Q13 lead heater
 - C Sect. 6 – replace 3 lead heater thermostats
 - C Sect. 11-replace one lead heater therm.
 - C Sect. 12-replace 2 lead heater therms.
- C 11. Cryo – CQS lead flows(2GE2 and 12G11)
- C 12. Electron Detector Amplifier work in sectors 1,2, and 12(Bm. Comp.)
- C 13. Repair 4 scintillators at the 12:00 IP(CMS Grp.)
- C 14. Investigate network problem in alcove 5b(Naase)

RHIC ACCESS JOBS(cont'd)

- C 15. Replace PHENIX keytree keylock(Acc. Ctrls.)
- C 16. Check 8GE1 Gate current loop(Acc. Ctrls.)
- C 17. Sect. 9 Vacuum – repair Q3 valve actuator
- C 18. Remove RGA's in following areas:
 - Sector 5 – y05-ppa-pi8, y05-ppa-pi6, g5-ppa-pi2
 - Sector 6 – g6-ppa-pi6
 - Sector 10 – yi10-ppa-pi21, bo10-ppa-pi14
 - Sectro 11 – bo11-ppa-pi6

RHIC EXTERNAL

- C 1. Begin installing and connecting new Modicom Network cables to fiber optic interface modules – begin at 1012A and go clk. wise(Ctrls. Grp.)
Replace cards in ip controllers YIP6, bi4-ip-pw3.2, an
- C 2. Power supplies. See P.S. List

RHIC POWER SUPPLIES(Bruno)

Maintenance To Do For Next Maintenance Day – ALL COMPLETED

IR Power supplies

- 1. Replace AC on light for a 200A p.s. in 1002B. **MITCH AND**
- 2. Possible work to do on y2-dh0-ps and yo9-dh0-ps. Watching fiber optic cards.
ME AND
- 3. Keep an eye out for any trips of y6-dh0. We had one on Thurs 12/19 at around 11:56 pm due to voltage spike and we want to see if it comes back. Gregg reseated some hkps connectors and it has not come back since. **NO ONE YET.**
- 4. Remove Dranetz from alcove 11B with Costas and get data. Also re-tighten all magnet connections for magnets connected to yi11-sxd-ps. **COSTAS AND**
- 5. Possible work on the following Gamma-T's if they continue to drop to OFF state: yi11-qgt-ps, yi6-qgt-ps, bo3-qgt-ps, bo2-qgt-ps. **NO ONE YET**
- 6. Dan Oldham requires 4 hours to work on the quench detection servers in 1004B.
DAN.
- 7. Yi10-q89-ps in 1010A still sends error messages back from fiber optic card. Phil and Ed from controls will work with
- 8. Turn on suncrafts in 1010A and look at AC current with clamp on to determine if any IGBT's have blown.
- 9. Two timing resolvers need to be looked at in 1008B. **WING AND**
- 10. Keep an eye on corrector yi7-th3-ps. I think a false trip status has been observed.
We may go in and look at it if it continues.
- 11. Check readback from WFG 12a-ps1.B1 and B0(Ctrls)

Main p.s.'s

1. Investigate PFN2 fault on blue main dipole p.s. **FRED**
2. Carl may investigate ACUV trip he had. **FRED**

ATR Line p.s.'s

1. Test PLC 5/25 in ATR line.
2. CAS should lock out XARC90 and YARC90 so water group can move water flow switches to the outside of the 1MW p.s.'s.

TANDEM